Microfab Tech. **Philips** Topaz Tech.

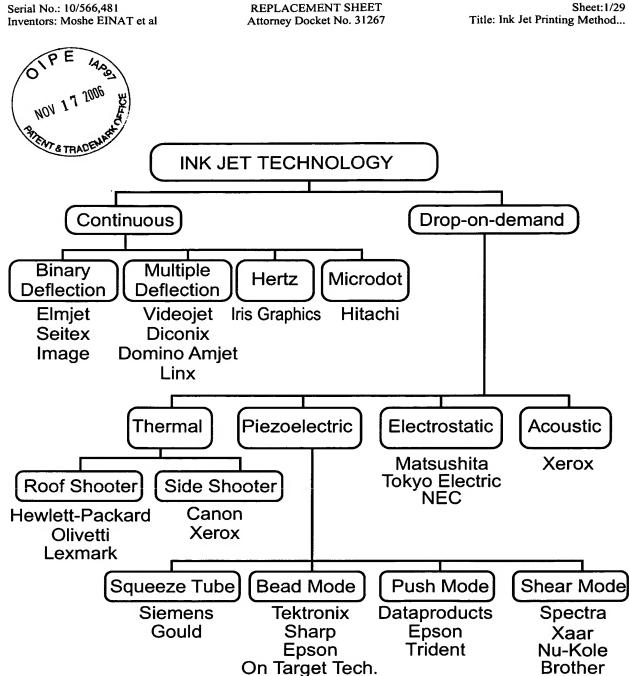
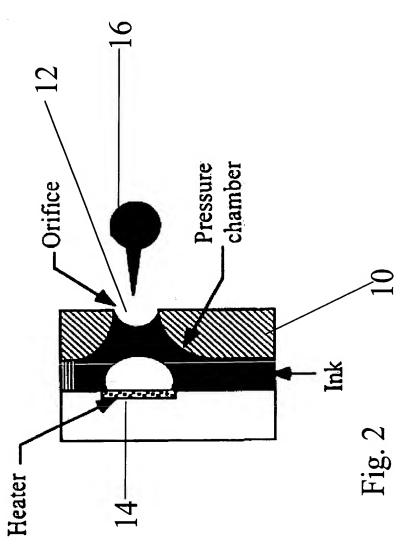
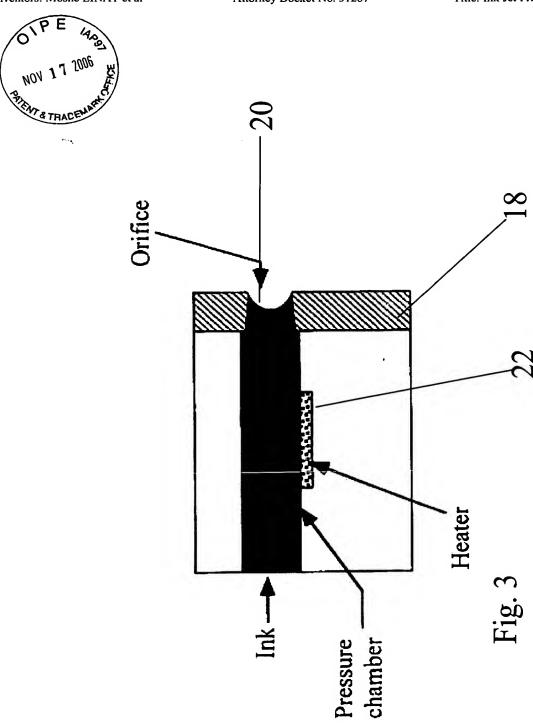


Fig. 1

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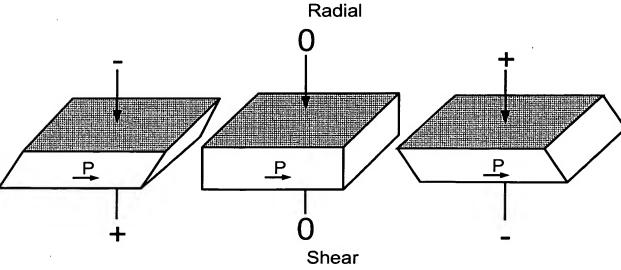
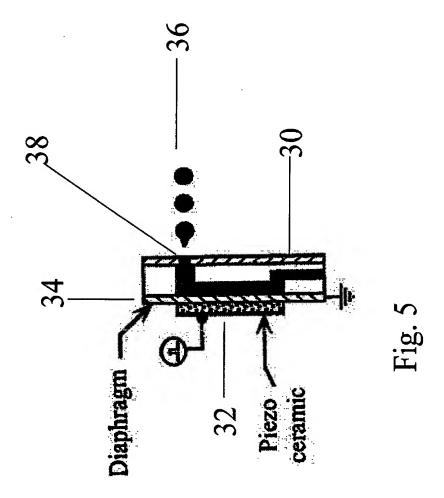
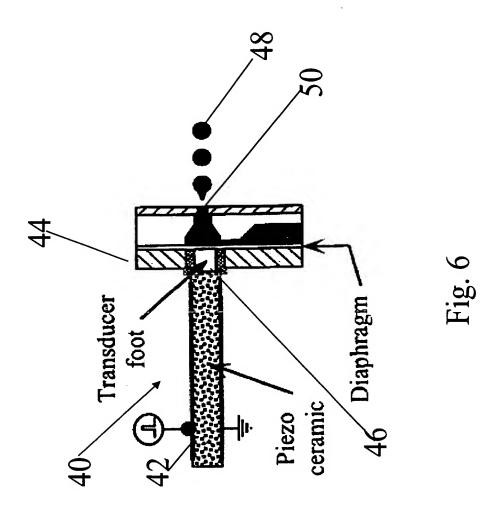


Fig. 4

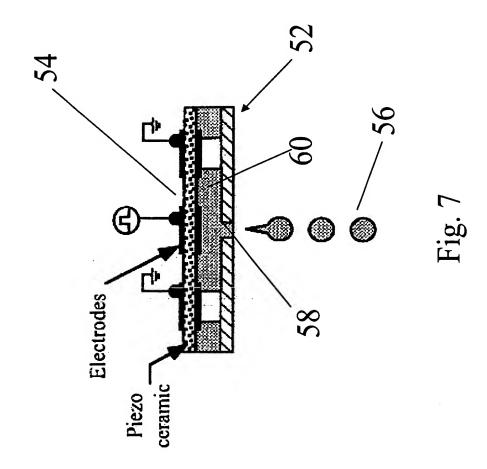


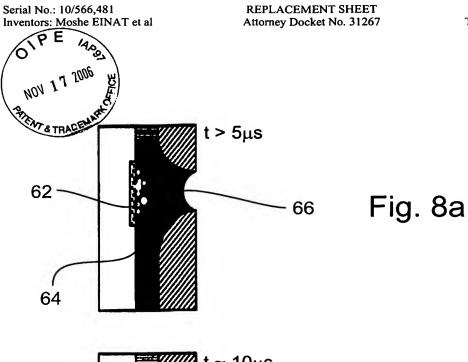


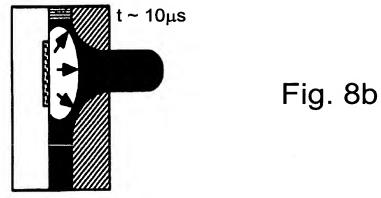


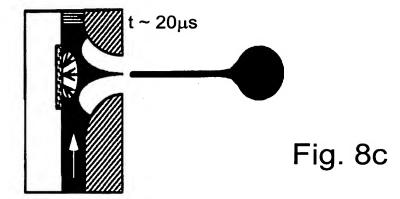










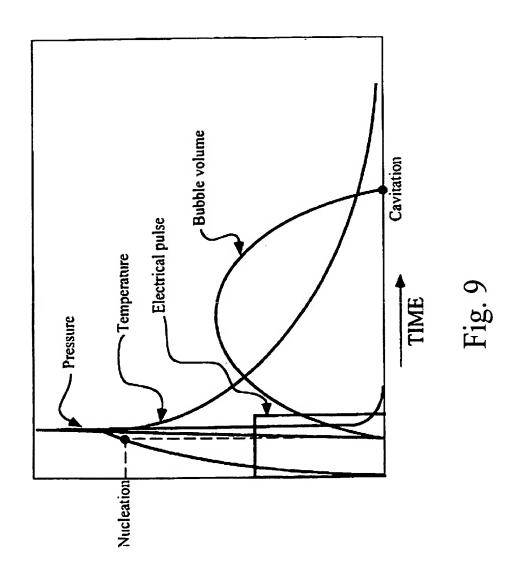


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Sheet:9/29
Title: Ink Jet Printing Method...



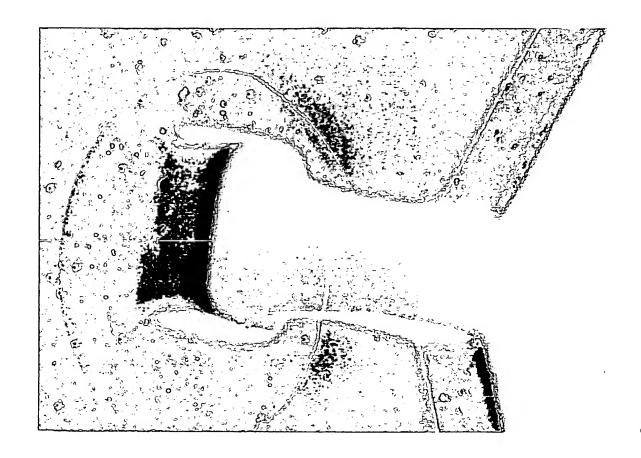
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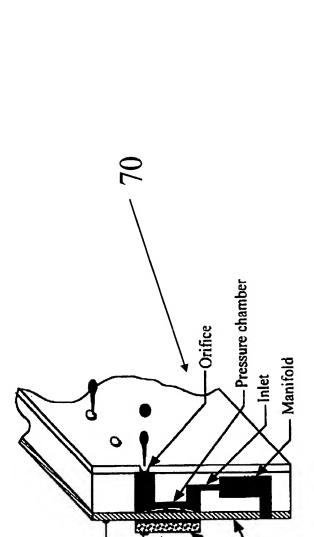
Fig. 10



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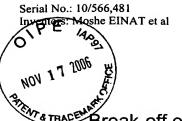
ń



Piezoceramic -

Diaphragm-

Dynamic pressure of liquid (~0.5 atm) Surface tension pressure rise (<0.1 atm) Viscous pressure loss (0.5-1.0 atm)



Break-off of Droplet IOV (50-85 us)

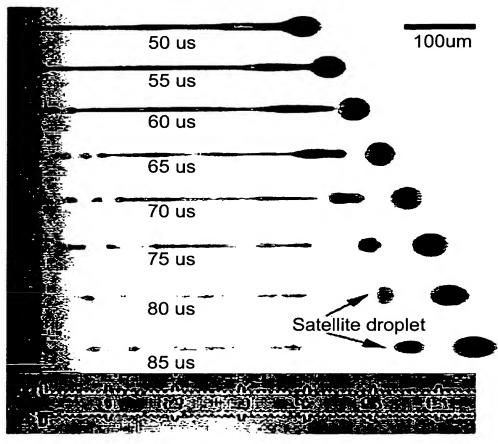


Fig. 13



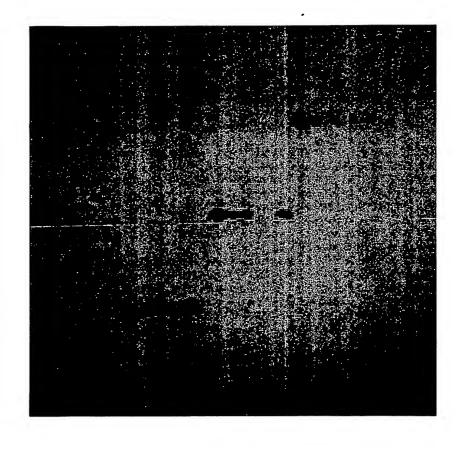
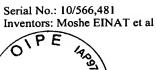
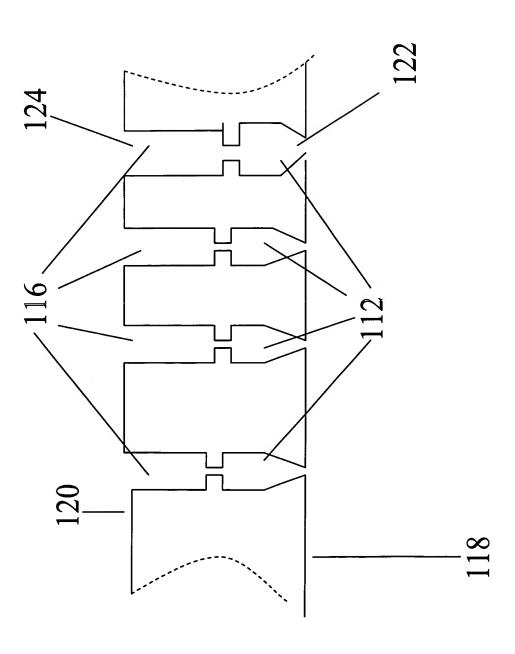


Fig. 14

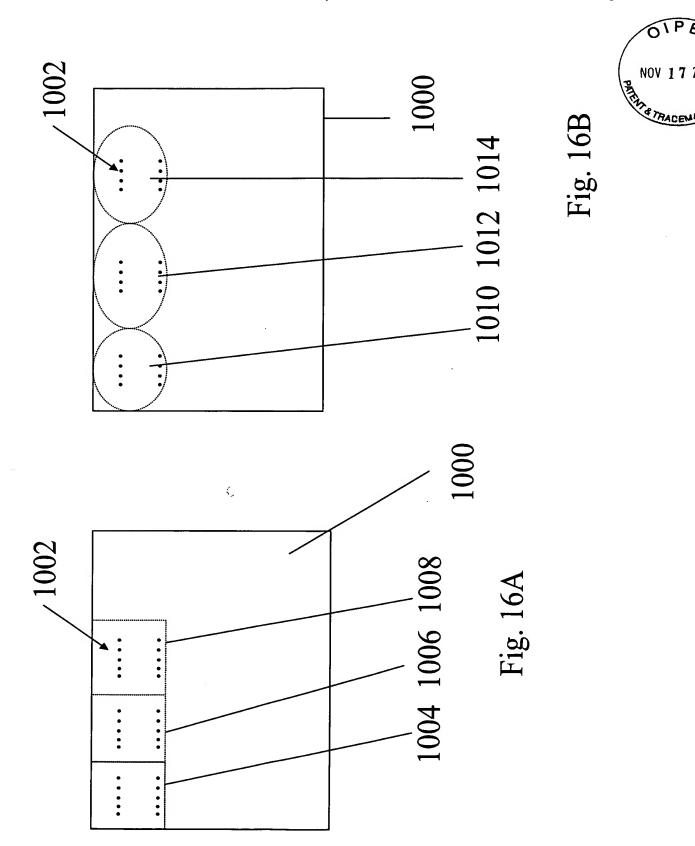
REPLACEMENT SHEET Attorney Docket No. 31267

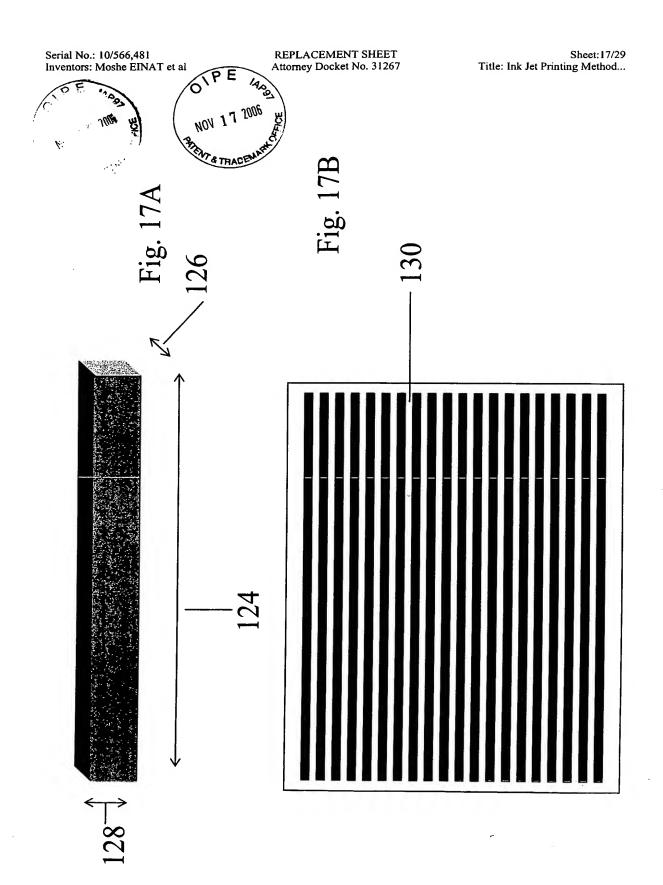






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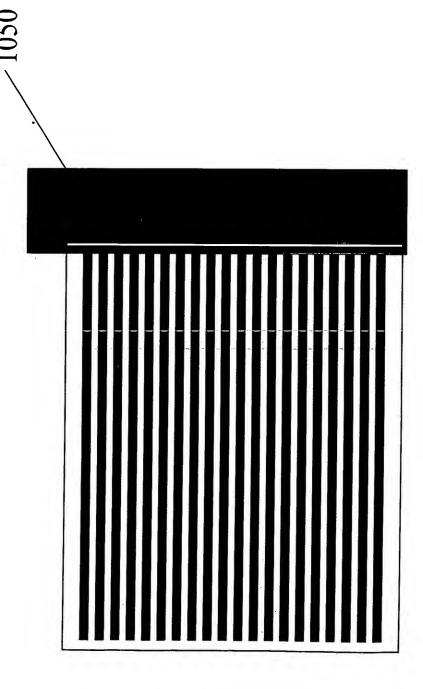
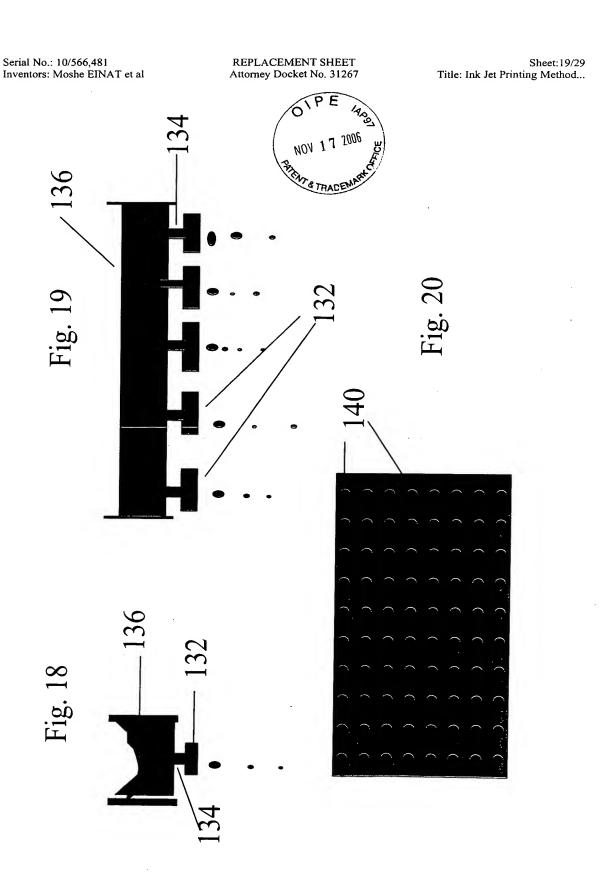
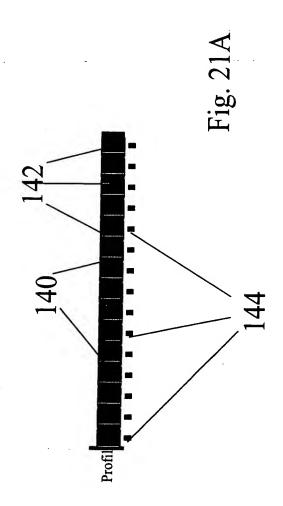


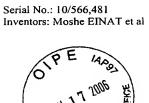
Fig. 17C

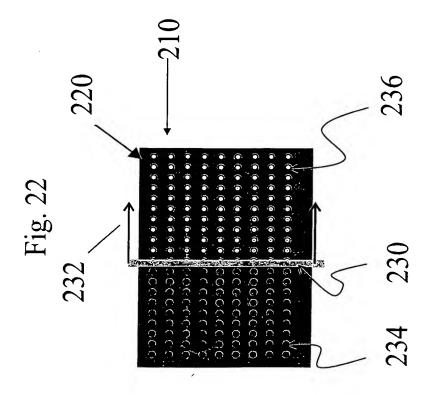




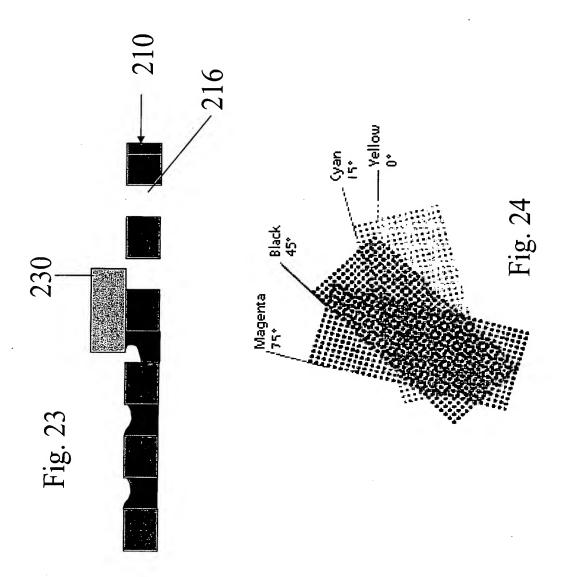


Sheet:22/29 Title: Ink Jet Printing Method...









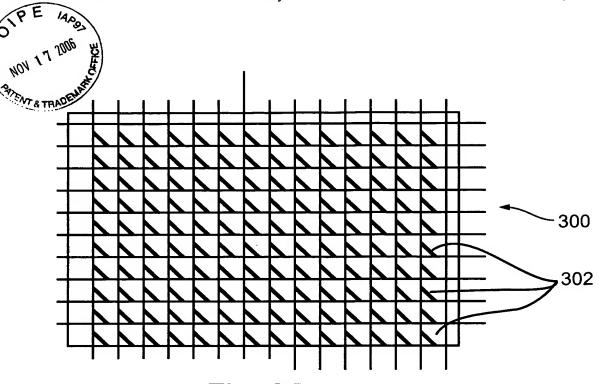


Fig. 25

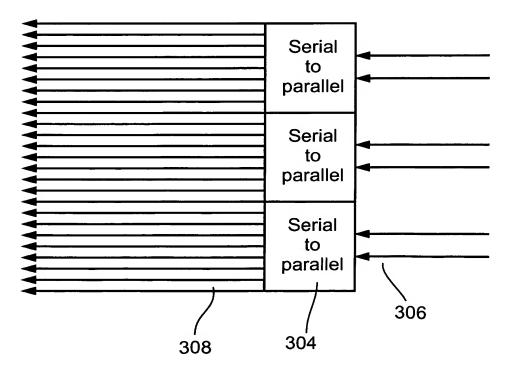


Fig. 26



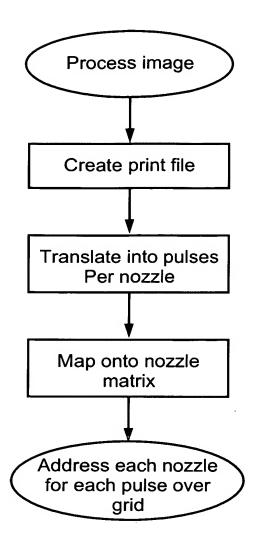
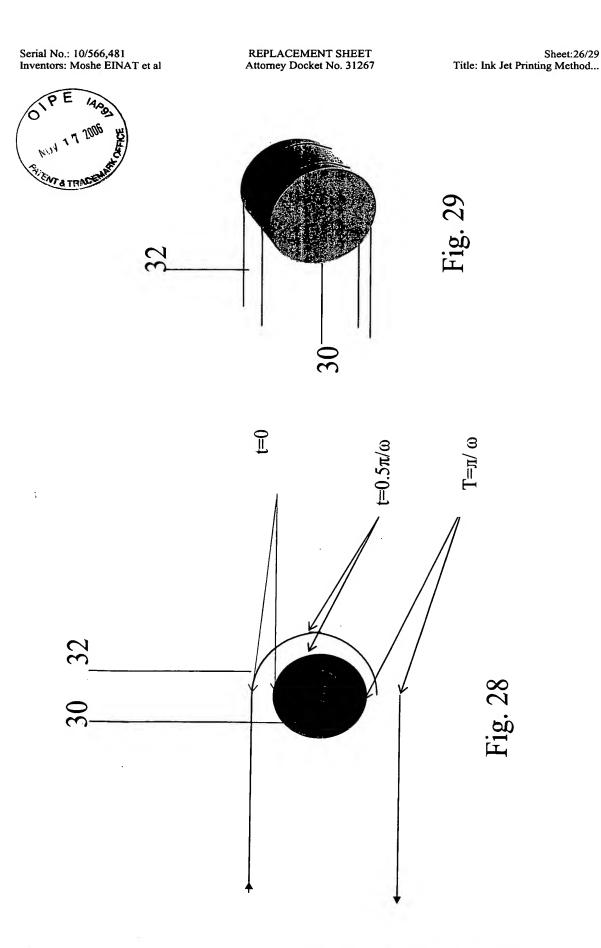


Fig. 27



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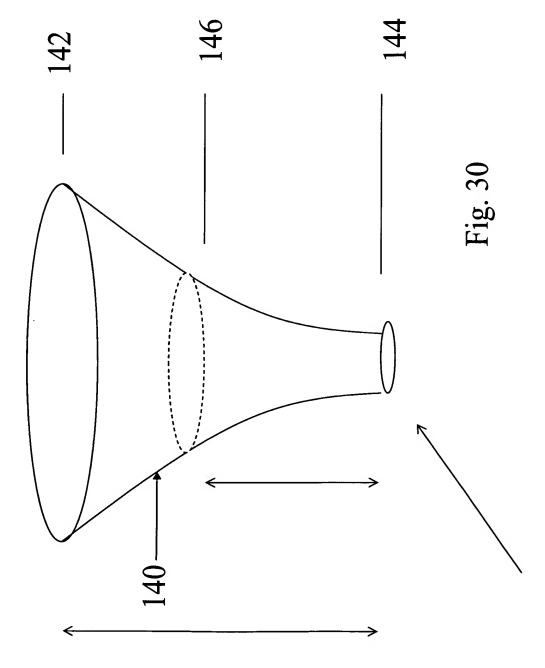
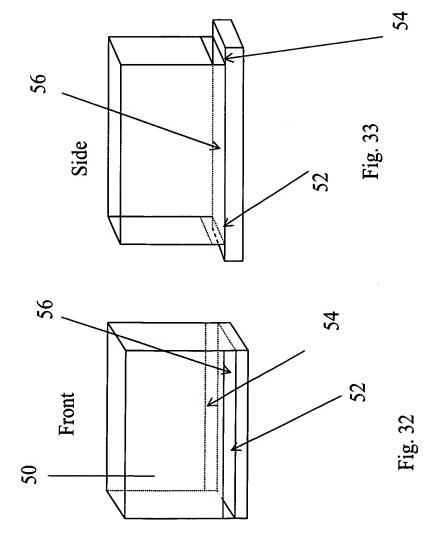


Fig. 31





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